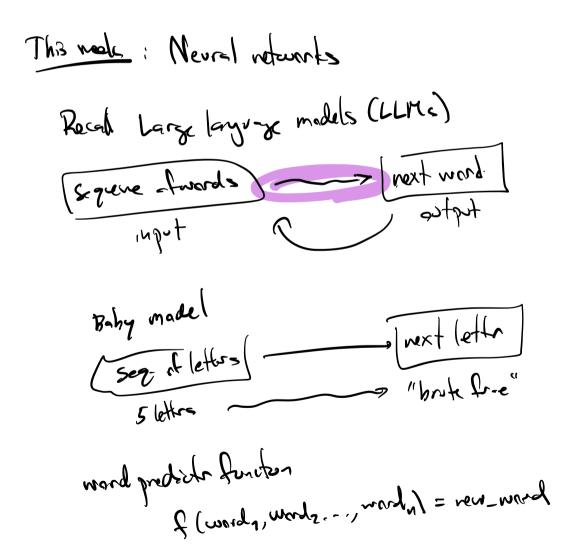
Puzzler

A downstairs panel contains three on-off switches, one of which controls the lamp in the attic—but which one?

Your mission is to do something with the switches, then determine after one trip to the attic which switch is connected to the attic lamp.

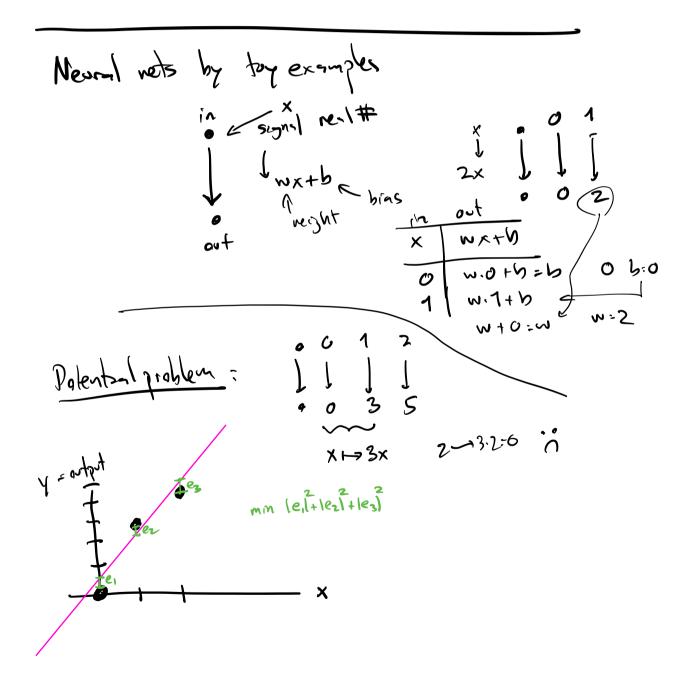


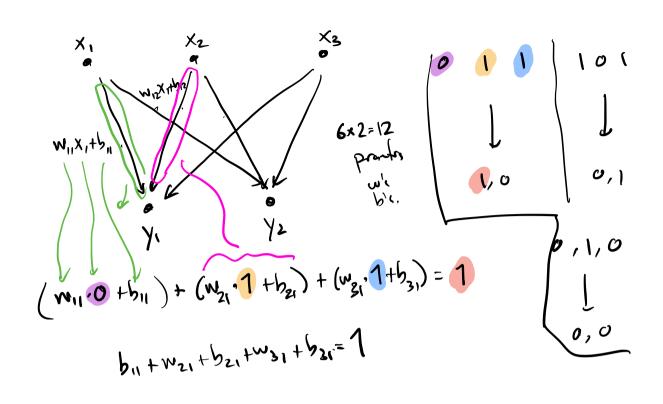
Today:
Basic neural not archetecture conepts

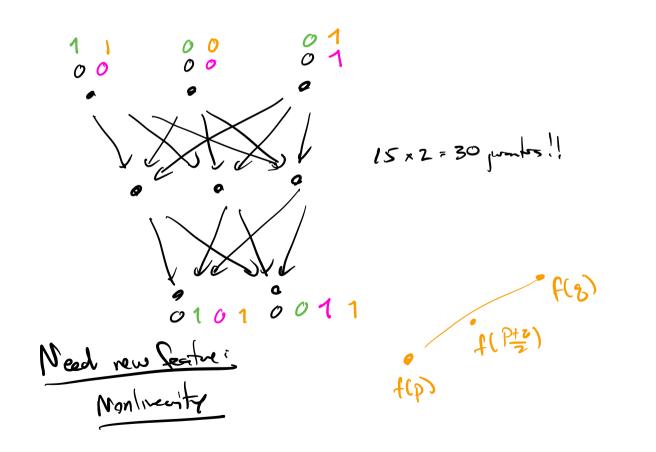
Start on "train"

Numerical approximations to solution of nonlinearies.

"gradent flow"







$$\mathbb{R}^{2} \longrightarrow \mathbb{R}$$

$$(x,y) \longrightarrow axtbytc$$

$$(0,0) \longrightarrow 0 = c$$

$$(1,0) \longrightarrow 1 = a+b+0+c=q$$

$$(0,1) \longrightarrow 1 = a\cdot0+b+o=b$$

$$x+y$$

$$(1,1) \longrightarrow 2$$

